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1 [Predicate rewriting for translating Boolean queries in a heterogeneous information system](#)



Chen-Chuan K. Chang, Héctor Garcia-Molina, Andreas Paepcke

January 1999 **ACM Transactions on Information Systems (TOIS)**, Volume 17 Issue 1

Publisher: ACM

Full text available: [pdf\(350.96 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 40, Citation Count: 5

Searching over heterogeneous information sources is difficult in part because of the nonuniform query languages. Our approach is to allow users to compose Boolean queries in one rich front-end language. For each user query and target source, we transform ...

Keywords: Boolean queries, content-based retrieval, filtering, predicate rewriting, query subsumption, query translation


2 A query based approach for integrating heterogeneous data sources



Ruxandra Domenig, Klaus R. Dittrich

November 2000 **CIKM '00: Proceedings of the ninth international conference on Information and knowledge management**

Publisher: ACM

Full text available:  pdf(213.15 KB)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 39, Citation Count: 2

3 A natural language interface for information retrieval from forms on the World

Wide Web

Frank Meng

January 1999 **ICIS '99: Proceedings of the 20th international conference on Information Systems**

Publisher: Association for Information Systems

Full text available:  pdf(146.82 KB)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)


Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 32, Citation Count: 3

4 Semantic caching of Web queries

Boris Chidlovskii, Uwe M. Borghoff

March 2000 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 9 Issue 1

Publisher: Springer-Verlag New York, Inc.

Full text available:  pdf(235.09 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 46, Citation Count: 5

In meta-searchers accessing distributed Web-based information repositories, performance is a major issue. Efficient query processing requires an appropriate caching mechanism. Unfortunately, standard page-based as well as tuple-based caching mechanisms ...

Keywords: Experiments, Query algorithms, Region containment, Semantic caching, Signature files

5 WSQ/DSQ: a practical approach for combined querying of databases and the



Web

Roy Goldman, Jennifer Widom

June 2000 **ACM SIGMOD Record**, Volume 29 Issue 2

Publisher: ACM

Full text available:  pdf(223.65 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 74, Citation Count: 15

We present WSQ/DSQ (pronounced "wisk-disk"), a new approach for combining the query facilities of traditional databases with existing search engines on the Web. WSQ, for *Web-Supported (Database) Queries*, leverages results from Web ...

6 WSQ/DSQ: a practical approach for combined querying of databases and the



Web

Roy Goldman, Jennifer Widom

May 2000 **SIGMOD '00: Proceedings of the 2000 ACM SIGMOD international conference on Management of data**

Publisher: ACM

Full text available:  pdf(223.65 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 74, Citation Count: 15

We present WSQ/DSQ (pronounced "wisk-disk"), a new approach for combining the query facilities of traditional databases with existing search engines on the Web. WSQ, for *Web-Supported (Database) Queries*, leverages results from Web ...

7 Web-based specification and integration of legacy services

Ying Zou, Kostas Kontogiannis

November 2000 **CASCON '00: Proceedings of the 2000 conference of the Centre for Advanced Studies on Collaborative research**

Publisher: IBM Press

Full text available:  pdf(279.28 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 116, Citation Count: 0

With the explosive growth of the Internet, businesses of all sizes aim on applying networkwide solutions to their IT infrastructures, migrating their legacy business processes into web-based environments, and establishing their own on-line services. ...


8 A semantic transcoding system to adapt Web services for users with disabilities



Anita W. Huang, Neel Sundaresan

November 2000 **Assets '00: Proceedings of the fourth international ACM conference on Assistive technologies**

Publisher: ACM

Full text available:  pdf(154.74 KB)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 96, Citation Count: 10

Keywords: Web accessibility, Web intermediaries, XML transcoding, adaptability, adaptivity, disabled users

9 Tools and approaches for developing data-intensive Web applications: a survey



Piero Fraternali

September 1999 **ACM Computing Surveys (CSUR)**, Volume 31 Issue 3

Publisher: ACM

Full text available:  pdf(524.80 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 66, Downloads (12 Months): 633, Citation Count: 41

The exponential growth and capillar diffusion of the Web are nurturing a novel generation of applications, characterized by a direct business-to-customer relationship. The development of such applications is a hybrid between traditional IS development ...

Keywords: HTML, Intranet, WWW, application, development


10 Web mining research: a survey



Raymond Kosala, Hendrik Blockeel

June 2000 **ACM SIGKDD Explorations Newsletter**, Volume 2 Issue 1

Publisher: ACM

Full text available:  pdf(1.58 MB)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 84, Downloads (12 Months): 1048, Citation Count: 61

Keywords: Web, data mining, information extraction, information retrieval

11 Madefast: collaborative engineering over the Internet



Mark R. Cutkosky, Jay M. Tenenbaum, Jay Glicksman

September 1996 **Communications of the ACM**, Volume 39 Issue 9

Publisher: ACM

Full text available:  pdf(307.44 KB)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#), [review](#)


Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 81, Citation Count: 14

12 Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren

November 1997 **CASCON '97: Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**

Publisher: IBM Press

Full text available:  pdf(4.21 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 51, Downloads (12 Months): 798, Citation Count: 0

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event ...


13 Asynchronous information space analysis architecture using content and structure-based service brokering



Ke-Thia Yao, In-Young Ko, Ragy Eleish, Robert Neches

June 2000 **DL '00: Proceedings of the fifth ACM conference on Digital libraries**

Publisher: ACM

Full text available:  pdf(470.15 KB)


Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 35, Citation Count: 4

Our project focuses on rapid formation and utilization of custom collections of information for groups focused on high-paced tasks. Assembling such collections, as well as organizing and analyzing the documents within them, is a complex and sophisticated ...

Keywords: asynchronous service access, component architecture, content and structure, data-driven brokering, information analysis, information management, metadata

14 Data mining and the Web: past, present and future

 Minos N. Garofalakis, Rajeev Rastogi, S. Seshadri, Kyuseok Shim
November 1999 **WIDM '99: Proceedings of the 2nd international workshop on Web information and data management**

Publisher: ACM

Full text available:  [pdf\(660.55 KB\)](#)


Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 213, Citation Count: 12

15 The Desert environment

 Steven P. Reiss
October 1999 **ACM Transactions on Software Engineering and Methodology (TOSEM)**, Volume 8 Issue 4

Publisher: ACM

Full text available:  [pdf\(868.64 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 38, Citation Count: 6

The Desert software engineering environment is a suite of tools developed to enhance programmer productivity through increased tool integration. It introduces an inexpensive form of data integration to provide additional tool capabilities and information ...

Keywords: integrated programming environments, program editors

16 Interoperability for digital libraries worldwide

 Andreas Paepcke, Chen-Chuan K. Chang, Terry Winograd, Héctor García-Molina
April 1998 **Communications of the ACM**, Volume 41 Issue 4

Publisher: ACM

Full text available:  [pdf\(299.48 KB\)](#)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 140, Citation Count: 17


17 Intermediary Architecture: interposing middleware object services between Web client and server



Craig Thompson, Paul Pazandak, Venu Vasudevan, Frank Manola, Mark Palmer, Gil Hansen, Tom Bannon

June 1999 **ACM Computing Surveys (CSUR)**, Volume 31 Issue 2es

Publisher: ACM

Full text available:  [pdf\(33.33 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 82, Citation Count: 0

This paper describes the Intermediary Architecture, a middleware architecture which interposes distributed object services between Web client and server. The architecture extends current Web architectures with a new kind of plug-in, ...

Keywords: World Wide Web, annotations, distributed objects, object request brokers

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